Program 3. Create an android application to find the factorial of a given number.

Main activity.java

```
View.OnClickListener{
```

```
// write operation into oper, we will use it later for output
switch (v.getId()) {
    case R.id.btnAdd:
        oper = "+";
        for(int i=1;i<=num1;i++)
        {
            fact=fact*i;
        }
        result=fact;
        break;
    default:
        break;
}

// form the output line
tvResult.setText("Factorial of"+ " " + num1 + " = " + result);
}</pre>
```

activity-main.xml

```
<LinearLayout
            android:inputType="numberDecimal">
       </EditText>
            android:layout_width="match parent"
       </Button>
```

```
android:layout_height="wrap_content"
android:layout_width="match_parent"
android:layout_marginLeft="5pt"
android:layout_marginRight="5pt"
android:textSize="12pt"
android:layout_marginTop="3pt"
android:id="@+id/tvResult"
android:gravity="center_horizontal"
android:layout_weight="0.07">
</TextView>
</LinearLayout>
```